**Supplementary Table 6. Differentially expressed RNA splicing genes between LGGs with lower and higher risk score**

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| --- | --- | --- | --- |
| 　 | **P values** | **Fold change** | **Expression changed****(in higher risk score)** |
| WDR83 | 3.23E-13 | 0.48 | Down |
| NHP2L1 | 2.90E-18 | 0.44 | Down |
| RNF113A | 1.29E-15 | 0.46 | Down |
| GTF2F2 | 5.54E-19 | 0.47 | Down |
| PQBP1 | 1.17E-25 | 0.37 | Down |
| HNRNPA1 | 1.45E-17 | 0.46 | Down |
| CLNS1A | 6.27E-26 | 0.39 | Down |
| DGCR14 | 1.83E-16 | 0.49 | Down |
| POLR2F | 1.01E-28 | 0.36 | Down |
| RBM17 | 9.08E-20 | 0.49 | Down |
| GPKOW | 5.10E-25 | 0.41 | Down |
| SAP18 | 3.92E-23 | 0.42 | Down |
| WDR77 | 2.57E-21 | 2.02 | Up |
| DHX15 | 1.72E-19 | 2.25 | Up |
| SF3A3 | 2.56E-17 | 2.05 | Up |
| CDK13 | 2.44E-19 | 2.36 | Up |
| TTF2 | 5.98E-40 | 3.32 | Up |
| HELB | 4.66E-16 | 2.31 | Up |
| DDX20 | 5.76E-22 | 2.22 | Up |
| MBNL3 | 5.49E-31 | 3.05 | Up |
| PRPF38B | 3.40E-12 | 2.00 | Up |
| ERN1 | 1.27E-11 | 2.01 | Up |
| GPATCH1 | 8.66E-15 | 2.07 | Up |
| ROD1 | 2.32E-19 | 2.13 | Up |
| DHX8 | 2.47E-18 | 2.33 | Up |
| RBM15 | 2.35E-22 | 2.60 | Up |
| THRAP3 | 1.25E-14 | 2.05 | Up |